

- 8 -

Another preferred embodiment of the invention provides a method for localizing an amount of a virus, comprising incubating a medium containing the virus in the presence of an effective immobilized amount of fibronectin or fragments of fibronectin 5 containing the viral-binding activity of the Heparin-II binding domain of fibronectin to localize an amount of the virus.

Still other preferred embodiments of the invention generally provide transduced viable hematopoietic and other cellular cultures 10 containing substantially pure and/or immobilized fibronectin or fragments thereof, as well as kits for conducting retroviral-mediated DNA transfer into cells, as further described in the passages which follow.

15 It is an object of this invention to provide methods for efficient retroviral infection of mammalian cells.

It is a further object of this invention to provide methods for gene transfer with retroviral vectors which avoid the need for 20 cocultivation.

It is a further object of the invention to provide improved methods and cellular cultures for autologous and/or allogeneic cellular grafting.